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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/058,850	01/28/2002	Larry Richard Moore JR.	3831P2430	3681

23504 7590 07/06/2004

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EXAMINER

WU, YICUN

ART UNIT

PAPER NUMBER

2175

DATE MAILED: 07/06/2004

4

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/058,850	MOORE, LARRY RICHARD
	<b>Examiner</b>	<b>Art Unit</b>
	Yicun Wu	2175

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### **Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 28 January 2002.

2a)  This action is **FINAL**.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

4)  Claim(s) 1-66 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-13,15-20,22-28,30-44,46-59 and 61-66 is/are rejected.

7)  Claim(s) 14,21,29,45 and 60 is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

DIANE D. MIZRAHI  
PRIMARY PATENT EXAMINEE  
TECHNOLOGY CENTER 2100

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 4-28-02 is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_.  
\_\_\_\_\_

**III. DETAILED ACTION**

1. Claims 1-66 are presented for examination.

**Claim Rejections - 35 USC § 102**

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5, 7-13, 15, 22, 24-28, 30-31, 36-44, 46-47, 52-62 are rejected under 35 U.S.C. 102(e) as being anticipated over Gershman et al. (U.S. Patent 6,401,085).

As to Claims 1, 22, 24, 36, 40, 52 and 55, Gershman et al. discloses a method for fulfilling a search request generated from a client computer to a search server, comprising:

instantiating a program on the client computer for requesting and presenting a result of the search request Gershman et al. (Fig. 10);

transmitting information specifying the search request to the search server (Fig. 10);

downloading binary search result data from a database within the search server to the client computer (Fig. 10), the search request result comprising location information (i.e. Some typical services provided include geographic location information) (col. 67, lines 60-67) and match quality information (i.e. product statistics 1690 along several dimensions. Those statistics are inserted into a product report template 1695 and returned to the user 1697 as a product report. (Fig. 16) and (col. 43, lines 10-45);

interpreting the location information and match quality (col. 43, lines 10-45) information for display of the location information on a graphical display of the client computer, whereby the location information is formatted for presentation on the graphical display by the program (col. 67, lines 60-67); and

generating the graphical display in conformity a result of the interpreting (col. 68, lines 1-15).

As to Claims 2, 37 and 53, Gershman et al. discloses a method wherein

the instantiating instantiates a Java applet within a browser program executing within the client computer, and wherein the interpreting is performed by the Java applet on the binary search result data and wherein the Java applet generates a graphical display in conformity therewith (Gershman et al. col. 10, lines 20-37) and (Fig. 10 and 16).

As to Claims 3, 38 and 54, Gershman et al. discloses a method wherein

the client computer is a personal digital assistant (PDA) (Gershman et al. col. 43, lines 54-56), and wherein the instantiating executes a dedicated application within the PDA and wherein the interpreting is performed by the dedicated application on the binary search result data and wherein the dedicated application generates a graphical display in conformity with a result of the interpreting (Gershman et al. col. 43, lines 54-56) and (col. 67, lines 60-67) and (Fig. 10 and 16),

As to Claims 4 and 39, Gershman et al. discloses a method wherein

the client computer is a personal digital assistant (PDA) and wherein the dedicated application further polls the search

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server for graphical information for generating the graphical display (Gershman et al. Fig. 10), wherein the interpreting is performed by the search server (Gershman et al. Fig. 10), the downloading downloads the graphical information along with the binary search result data, and wherein the dedicated application generates the graphical display in conformity with the downloaded graphical information and the binary search result data (i.e. Some typical services provided include geographic location information) (Gershman et al. col. 67, lines 60-67) and match quality information (Gershman et al. Fig. 10).

As to Claim 5, Gershman et al. discloses a method wherein the generating generates a list of the location information and a control interface at each list item for manipulating the list item, and further comprising:

receiving a user input at the control interface for manipulating the list item (Gershman et al. Fig. 10); and in response to the receiving, modifying a display of the list item in conformity with the user input without generating another request to the search server (Gershman et al. Fig. 10).

As to Claims 7 and 28, Gershman et al. discloses a method wherein

the generating generates a graphical mosaic comprising graphical figures each corresponding to a location, and wherein characteristics of the graphical, figures are adjusted in conformity with the interpretation of the match quality information Gershman et al. (col. 43, lines 10-45).

As to Claims 8, 31, 47 and 62, Gershman et al. discloses a method wherein

the generating further generates a category selection list, and wherein the graphical mosaic is generated from a set of locations corresponding to a selected category of the category selection list (Gershman et al. col. 67, lines 60-67).

As to Claims 9, 25, 41 and 56, Gershman et al. discloses a method wherein

the graphical mosaic comprises a radial view wherein a radial position each of the graphical figures increases with a decreasing match quality (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claim 10, Gershman et al. discloses a method wherein the graphical mosaic comprises a radial view wherein a radial position each of the graphical figures increases with a

decreasing match quality (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claims 11, 26, 42 and 57, Gershman et al. discloses a method wherein

a color of the graphical figures denotes locations that are located at the same site (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claims 12, 27, 43 and 58, Gershman et al. discloses a method wherein

a brightness of the graphical figures further denotes a quality of match of the corresponding location (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claims 13, 44 and 59, Gershman et al. discloses a method wherein

wherein a size of the graphical figures denotes a popularity of the corresponding location (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claims 15, 30, 46, and 61, Gershman et al. discloses a method comprising:

receiving a user selection of one of the graphical figures made by a user moving a graphical pointer over the one of the graphical figures (Gershman et al. Fig. 10); and in response to the receiving, generating a text box containing a description of the corresponding location near the graphical figure (Gershman et al. Fig. 10).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 6, 16-20, 23, 32-35, 48-51 and 63-66 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gershman et al. (U.S. Patent 6,401,085) in view of Hoyle (U.S. Patent 6,628,314).

As to Claims 6 and 23, Gershman et al. discloses a method wherein

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the modifying changes a state of the list item display in response to the receiving (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67)).

Gershman et al. does not explicitly teach the list is a collapsible list, wherein each list item is representable by a verbose state and a sparse state.

Hoyle teaches the list is a collapsible list, wherein each list item is representable by a verbose state and a sparse state (i.e. Each of the toolbars, including the pull-down menu toolbar, includes a collapse button 86 that serves to toggle the display of its associated toolbar. This permits users to collapse the display size of the graphical user interface and to hide those toolbars that the user does not wish to utilize often (Hoyle col. 10, lines 31-36 and Fig. 5a)).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. with the list is a collapsible list, wherein each list item is representable by a verbose state and a sparse state.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. by the teaching of Hoyle because providing the list is a collapsible list, wherein each list item

is representable by a verbose state and a sparse state allows improved user's interaction as taught by Hoyle (col. 2, lines 63-65).

As to Claims 16, 33, 48 and 63, Gershman et al. as modified teaches a wherein

the generating generates hierarchical view wherein graphical figures corresponding to a set of categories is generated on the graphical display (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67), and wherein the interpretation is performed in conformity with a selected state, and wherein the generating generates a display of the location information in conformity with the selected state (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

Gershman et al. does not explicitly teach of the hierarchical view.

Hoyle teaches the hierarchical view (Hoyle col. 10, lines 31-36 and Fig. 5a).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. with the list is a collapsible list, wherein the view is hierarchical view.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. by the teaching of Hoyle because providing hierarchical view allows improved user's interaction as taught by Hoyle (col. 2, lines 63-65).

As to Claim 17, Gershman et al. discloses a method wherein the generating further generates a display of the location information in conformity with the match quality information (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67).

As to Claims 18, 34, 49 and 64, Gershman et al. as modified teaches a method wherein

Gershman et al. does not explicitly teach generating generates a hierarchical view comprising graphical figures each corresponding to one of the set of categories, and wherein a user selects the selected state by selecting one of the category graphical figures.

Hoyle teaches generating generates a hierarchical view comprising graphical figures each corresponding to one of the set of categories, and wherein a user selects the selected state

by selecting one of the category graphical figures (Hoyle col. 10, lines 31-36 and Fig. 5a).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. with generating generates a hierarchical view comprising graphical figures each corresponding to one of the set of categories, and wherein a user selects the selected state by selecting one of the category graphical figures.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. by the teaching of Hoyle because providing generating generates a hierarchical view comprising graphical figures each corresponding to one of the set of categories, and wherein a user selects the selected state by selecting one of the category graphical figures allows improved user's interaction as taught by Hoyle (col. 2, lines 63-65).

As to Claims 19, 35, 50 and 65, Gershman et al. does not teach generating generates a graphical display having graphical figures corresponding to subcategories within the categories and wherein the hierarchical view comprises sub-category graphical figures each corresponding so one of the set of sub-categories

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drawn within the category graphical figures whereby the user may select a level of the selected state by selecting one of the sub-category graphical figures or one of the category graphical figures.

Hoyle teaches the generating generates a graphical display having graphical figures corresponding to subcategories within the categories and wherein the hierarchical view comprises sub-category graphical figures each corresponding so one of the set of sub-categories drawn within the category graphical figures whereby the user may select a level of the selected state by selecting one of the sub-category graphical figures or one of the category graphical figures. (Hoyle col. 10, lines 31-36 and Fig. 5a).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. with the generating generates a graphical display having graphical figures corresponding to subcategories within the categories and wherein the hierarchical view comprises sub-category graphical figures each corresponding so one of the set of sub-categories drawn within the category graphical figures whereby the user may select a level of the selected state by selecting one of the sub-category graphical figures or one of the category graphical figures.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. by the teaching of Hoyle because providing the generating generates a graphical display having graphical figures corresponding to subcategories within the categories and wherein the hierarchical view comprises sub-category graphical figures each corresponding to one of the set of sub-categories drawn within the category graphical figures whereby the user may select a level of the selected state by selecting one of the sub-category graphical figures or one of the category graphical figures allows improved user's interaction as taught by Hoyle (col. 2, lines 63-65).

As to Claims 20, 32, 51 and 66, Gershman et al. as modified teaches a method wherein

the generating further generates a graphical mosaic comprising mosaic graphical figures each corresponding to a location (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67), wherein characteristics of the mosaic graphical figures are adjusted in conformity with the interpretation of the match quality information (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67), and wherein the mosaic graphical- figures correspond to one of a set of locations

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determined in conformity with the selected state (Gershman et al. (col. 43, lines 10-45 and col. 67, lines 60-67)).

Gershman et al. does not explicitly teach of the hierarchical view.

Hoyle teaches the hierarchical view (Hoyle col. 10, lines 31-36 and Fig. 5a).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. with the list is a collapsible list, wherein the view is hierarchical view.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Gershman et al. by the teaching of Hoyle because providing hierarchical view allows improved user's interaction as taught by Hoyle (col. 2, lines 63-65).

#### Allowable subject Matter

6. Claims 14, 21, 29, 45 and 60 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record (Gershman et al. (U.S. Patent 6,401,085)) does not disclose, teach or suggest the claimed limitations of (in combination with all other features in the claims): a central circular figure corresponding to a best match from the set of locations; and a plurality of semi-circular arcs each corresponding to one of the remainder of the locations, each arc having a thickness and an angular length determined at the generating, the thickness and an angular length of the arc corresponding to a quality of match of the corresponding one of the location, as claimed in claims 14, 29, 45 and 60.

The prior art of record (Gershman et al. (U.S. Patent 6,401,085)) does not disclose, teach or suggest the claimed limitations of (in combination with all other features in the claims): a radial view wherein a radial position each of the mosaic graphical figures increases with a decreasing match quality, as claimed in claim 21.

Prior Art Made of Record

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Barnard (U.S. Patent No. 6,456,938);

Nicolas et al. (U.S. Patent No. 6,456,938);

Lopke (U.S. Patent No. 6,553,310);

Bunney et al. (U.S. Patent No. 6,564,217);

Buckham et al (U.S. Patent No. 6,662,016); and

O'Leary (U.S. Patent No. 6,750,850).

Evans et al. (U.S. Patent 6,650,889)

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 703-305-4889. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Yicun Wu  
Patent Examiner  
Technology Center 2100

DIANE D. MIRRAH  
PRIMARY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

June 17, 2004